

FIG. 1

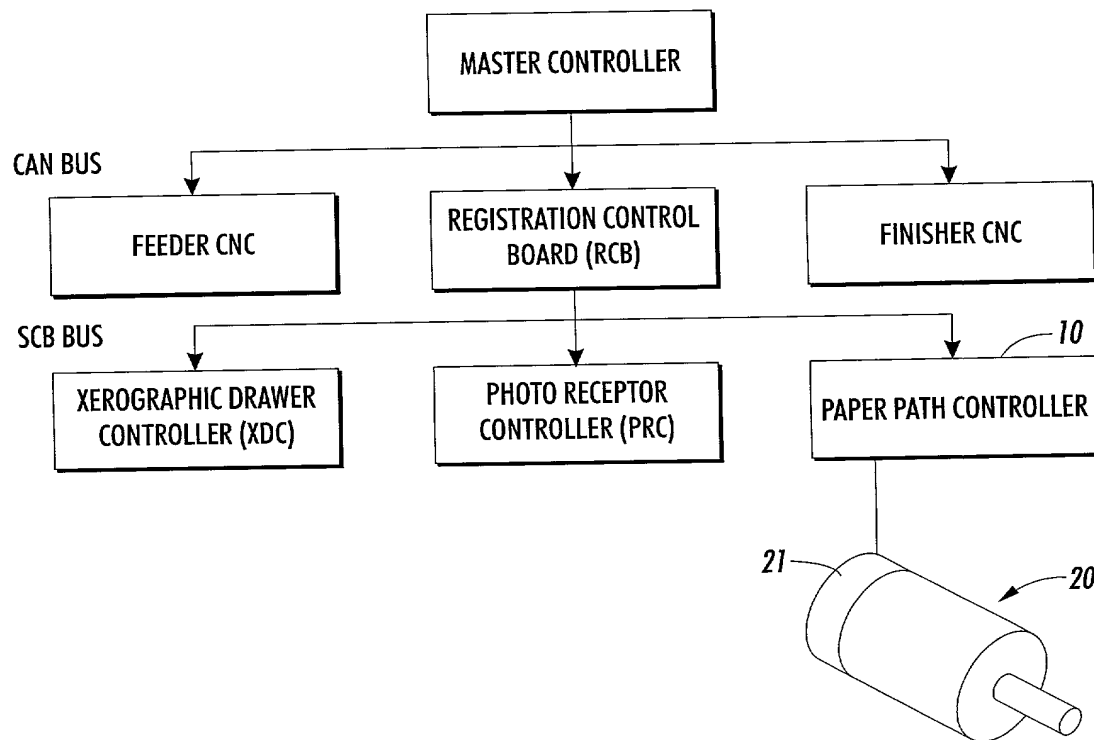


FIG. 2

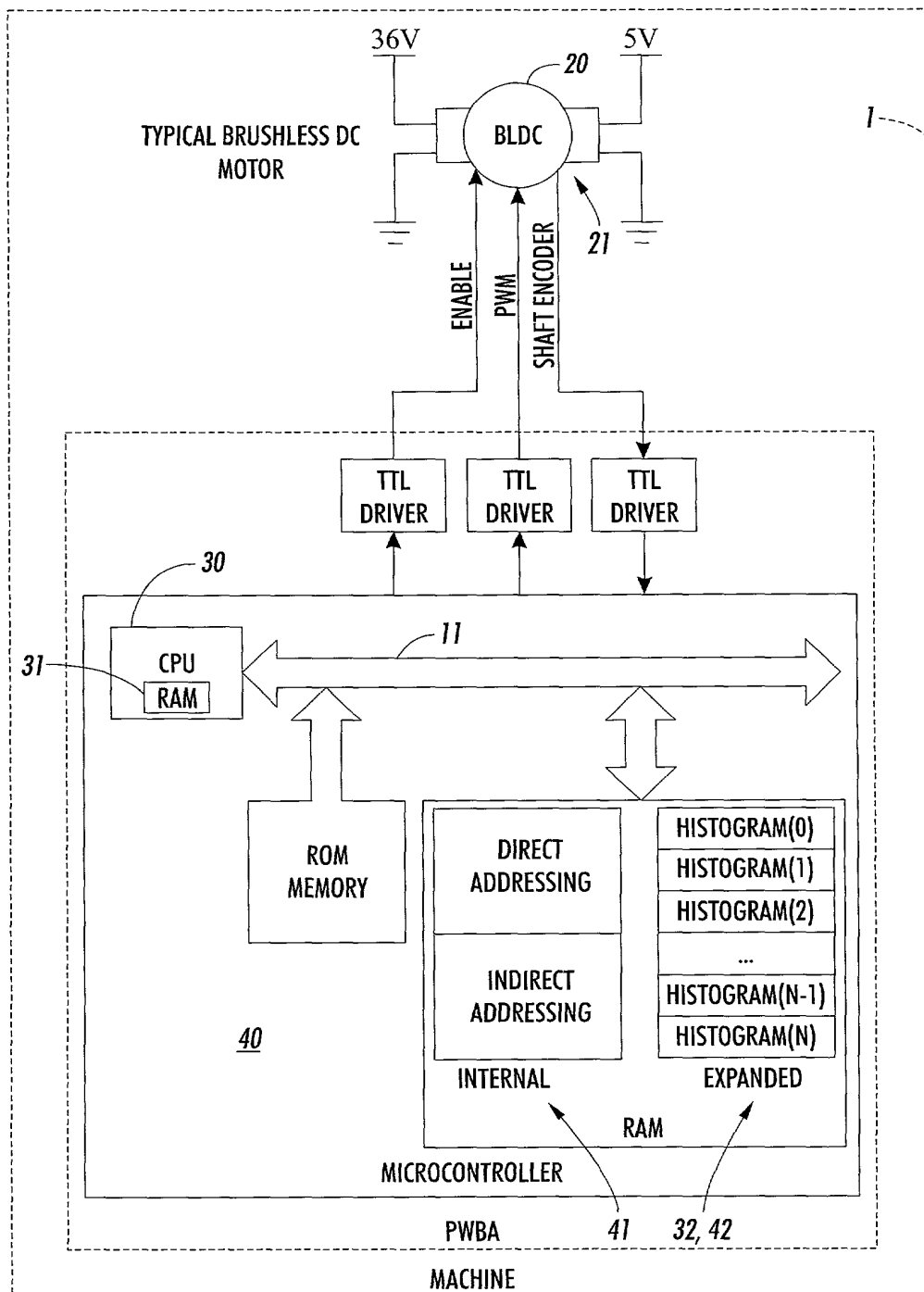


FIG. 3

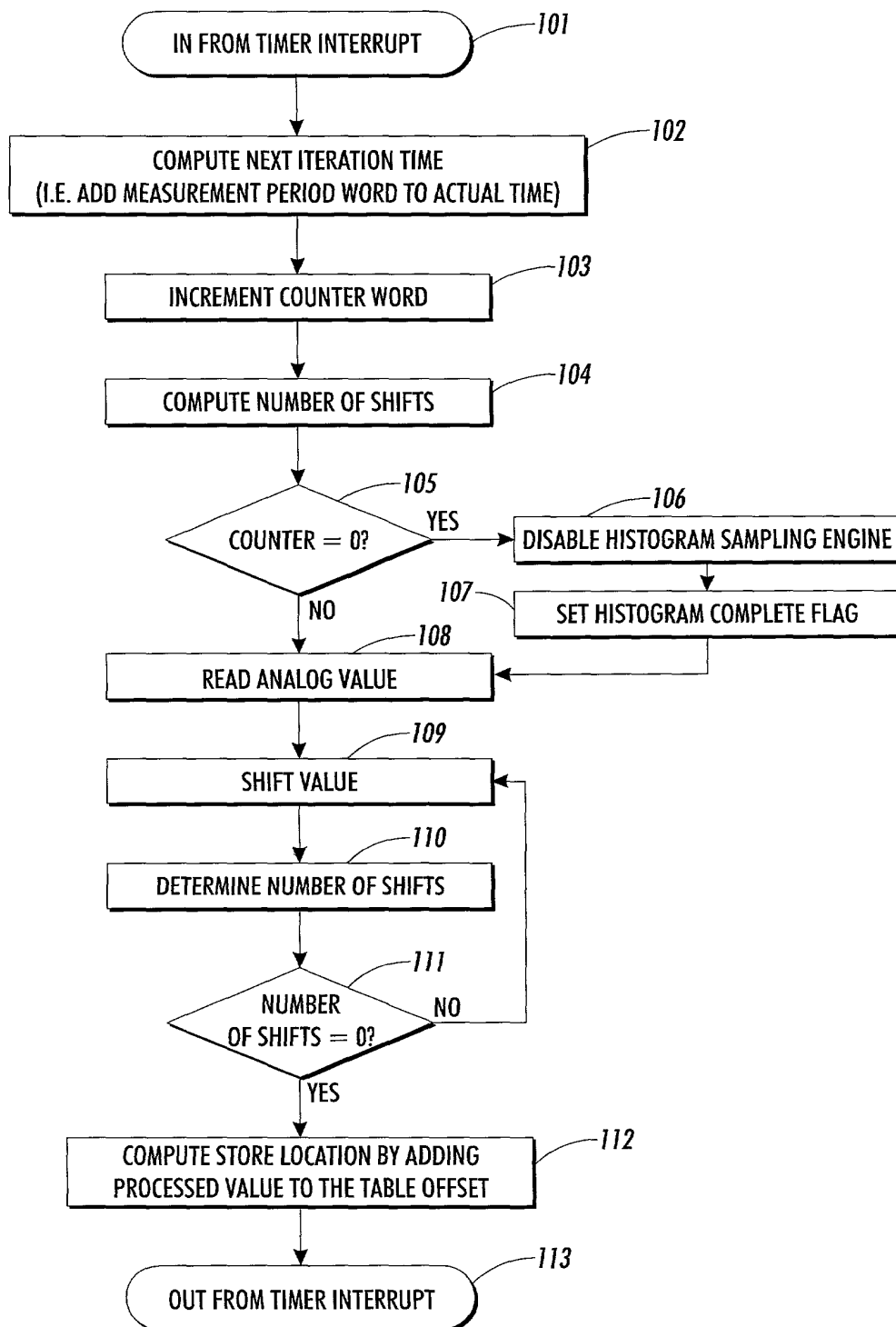
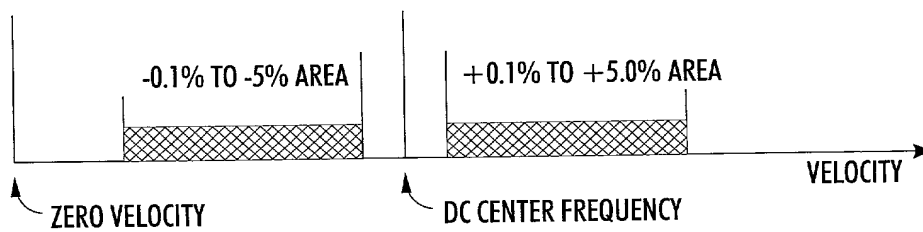


FIG. 4

RAM SPACE

DEGREES (LOG2 HISTO SIZE)
VALUE RESOLUTION (# BITS)
NUMBER OF SHIFTS
MEASUREMENT PERIOD H
MEASUREMENT PERIOD L
COUNTER H
COUNTER L
HISTOGRAM STATUS REGISTER

FIG. 5**FIG. 6**